

5056.1001

IN THE CLAIMS:

Please amend claims 22-24, 27 and 28, as indicated below.

Please cancel claims 15-21 and 29-31 without prejudice.

This listing of claims below will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-14. (Canceled)

15-21. (Canceled)

22. (Currently Amended) An apparatus for producing a dimensionally accurate component from a nonferrous metal alloy, the apparatus comprising:

a vertically positioned, rotatably mounted, heatable cup-like vessel for receiving the nonferrous metal alloy, the vessel including a lateral side wall and a base surface shaped to direct a flow of a melt of the nonferrous alloy;

a heatable casting mold disposed at the side wall at a predetermined distance from the base surface and communicating with the vessel through an outlet opening, the casting mold including at least one mold shell and being oriented at a three-dimensional setting angle with respect to the outlet opening, wherein the setting angle is adjustable adjusted so as to coincide with the direction of an acceleration force acting on the melt, the acceleration force resulting from the vectors of the centrifugal and Coriolis forces so as to enable the casting mold to be filled with the melt homogeneously and without flow-detachment stall in the melt.

23. (Currently Amended) The apparatus as recited in claim 22, wherein the vessel includes a closable cover, wherein the vessel is mounted rotatably relative to the casting mold and wherein the vessel is configured to receive an ingot of the nonferrous metal alloy corresponding to an internal diameter of the vessel.

5056.1001

24. (Currently Amended) The apparatus as recited in ~~claim 23~~ claim 22, further comprising a distributor with a nozzle ~~action~~ disposed inside the vessel, the nozzle being ~~and~~ associated with the outlet opening, and wherein the casting mold is disposed in a region of an upper edge of the vessel.

25. (Previously Presented) The apparatus as recited in claim 22, wherein the vessel and the casting mold include a ceramic material that is relatively unreactive with respect to the melt and that has included metal particles.

26. (Previously Presented) The apparatus as recited in claim 22, further comprising a runner channel configured to supply the melt to the vessel, the runner channel including a ceramic material that is relatively unreactive with respect to the melt and that has included metal particles.

27. (Currently Amended) The apparatus as recited in claim 22, wherein the vessel and the casting mold ~~include at least one~~ consist of coated steel, coated graphite, tantalum, titanium ~~and or~~ niobium.

28. (Currently Amended) The apparatus as recited in claim 22, wherein the vessel and the casting mold are capable of being heated using at least one of an inductive and a microwave heating.

29-31. (Canceled)